



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hoet et al.
Serial No. : 10/723,981
Filed : November 26, 2003
Title : METHOD AND COMPOSITIONS FOR CONTROLLING VALENCY OF
PHAGE DISPLAY

Art Unit : Unknown
Examiner : Unknown

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449. Copies of U.S. patents and published U.S. patent application cited on the attached form PTO-1449 are not included.

This statement is being filed before the receipt of a first Office action on the merits. No fee is believed to be due. Please apply any charges or credits to Deposit Account No. 06-1050, with reference to Attorney Docket Number 10280-062001.

Respectfully submitted,

Date: 16 SEPT 2004

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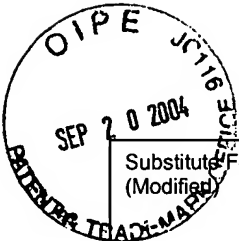
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September 17, 2004
Date of Deposit

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Melissa Krugger
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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
10280-062001Application No.
10/723,981**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant
Hoet et al.Filing Date
November 26, 2003Group Art Unit
Unknown**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,223,409	June 29, 1993	Ladner et al.			
	AB	5,427,908,	June 27, 1995	Dower et al.			
	AC	5,658,727	August 19, 1997	Barbas et al.			
	AD	5,985,588	November 16, 1999	Breitling et al.			
	AE	6,190,908	February 20, 2001	Kang			
	AF	US 20020102613	August 1, 2002	Hoogenboom et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AG	WO 00/70023	November 23, 2000					
	AH	WO 00/71694	November 30, 2000					
	AI	WO 01/05950	January 25, 2001					
	AJ	WO 90/02809	March 22, 1990					
	AK	WO 91/17271	November 14, 1991					
	AL	WO 92/01047	January 23, 1992					
	AM	WO 92/09690	June 11, 1992					
	AN	WO 92/15679	September 17, 1992					
	AO	WO 92/18619	October 29, 1992					
	AP	WO 92/20791	November 26, 1992					

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Armstrong et al., "Vectors for Phage Display," Phage Display of Peptides and Proteins: A Laboratory Manual (Academic Press, Kay et al., Eds.), 3:35-53 (1996)
	AR	Clackson et al., "Making antibody fragments using phage display libraries," Nature 352:624-628 (1991)
	AS	Corey et al., "Trypsin display on the surface of bacteriophage," Gene, 128:129-134 (1993)

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10280-062001	Application No. 10/723,981
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Hoet et al.	
		Filing Date November 26, 2003	Group Art Unit Unknown

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	Cramer et al., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," Gene, 137:69-75 (1993)
	AU	de Haard et al., "A Large Non-immunized Human Fab Fragment Phage Library That Permits Rapid Isolation and Kinetic Analysis of High Affinity Antibodies," J. Biol. Chem, 274:18218-18230 (1999)
	AV	Hoogenboom et al., "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," Nuc. Acid. Res., 19:4133-4137 (1991)
	AW	Hoogenboom et al., "Antibody phage display technology and its applications," Immunotechnology, 4:1-20 (1998)
	AX	Hoogenboom et al., "Natural and designer binding sites made by phage display technology," Immunology Today, 21:371-378 (2000)
	AY	Houshmand et al., "Use of Bacteriophage T7 Displayed Peptides for Determination of Monoclonal Antibody Specificity and Biosensor Analysis of the Binding Reaction," Anal. Biochem., 268:363-370 (1999)
	AZ	Huie et al., "Antibodies to human fetal erythroid cells from a nonimmune phage antibody library," PNAS, 98:2682-2687 (2001)
	AAA	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," Science, 246:1275-1281 (1989)
	ABB	Huse et al., "Application of a filamentous phage pVIII fusion protein system suitable for efficient production, screening, and mutagenesis of F(ab) antibody fragments," J. Immunol., 149:3914-3920 (1992)
	ACC	Knappik et al., "Fully Synthetic Human Combinatorial Antibody Libraries (HuCAL) Based on Modular Consensus Frameworks and CDRs Randomized with Trinucleotides," J. Mol. Biol., 296:57-86 (2000)
	ADD	McConnell et al., "Constrained peptide libraries as a tool for finding mimotopes," Gene, 151:115-118 (1994)
	AEE	Nakayama et al., "Improving the copy numbers of antibody fragments expressed on the major coat protein of bacteriophage M13," Immunotechnology, 2:197-207 (1996)
	AFF	O'Connell et al., "Phage versus phagemid libraries for generation of human monoclonal antibodies," J. Mol. Biol., 321:49-56 (2002)
	AGG	Smith, "Filamentous Fusion Phage: Novel Expression Vectors that Display Cloned Antigens on the Virion Surface," Science, 228:1315-1317 (1985)
	AHH	Santini et al., "Efficient Display of an HCV cDNA Expression Library as C-terminal Fusion to the Capsid Protein D of Bacteriophage Lambda," J. Mol. Biol., 282:125-135 (1998)

Examiner Signature	Date Considered
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